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Jan 67

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NTC 72-10718-13I

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Raschet i Konstruirovaniye, Moscow, 1957, 404 pp.

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Fatigue-Testing Machines. Design and Construction,
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Sistem, publ by Scientific and Technical State Publishing
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building, Moscow, 1954, Encl to IR-2805-55, AA Paris,
May 1955. CIA/ D 241435.

AP 667387

USSR

Sci - Miscellaneous, machine construction
Econ - Irrigation

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Spravochnik, Sec 2, Vol III, Chap X, pp 503-699,
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CIA 705733

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For The Air Tech Intel Center

CIA/FDD X-623

Scientific - Min/Metals

Proj. 7978

Planning Metalplating Shops

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Vol. 14, Chapter 8, pp 298-323

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(FTD 18061)

Chapter I - The Basis of Socialist Organization of an Enterprise and Control of Production, 105 pp.

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CIA/FTD/U-4776

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Mar 54 CTS

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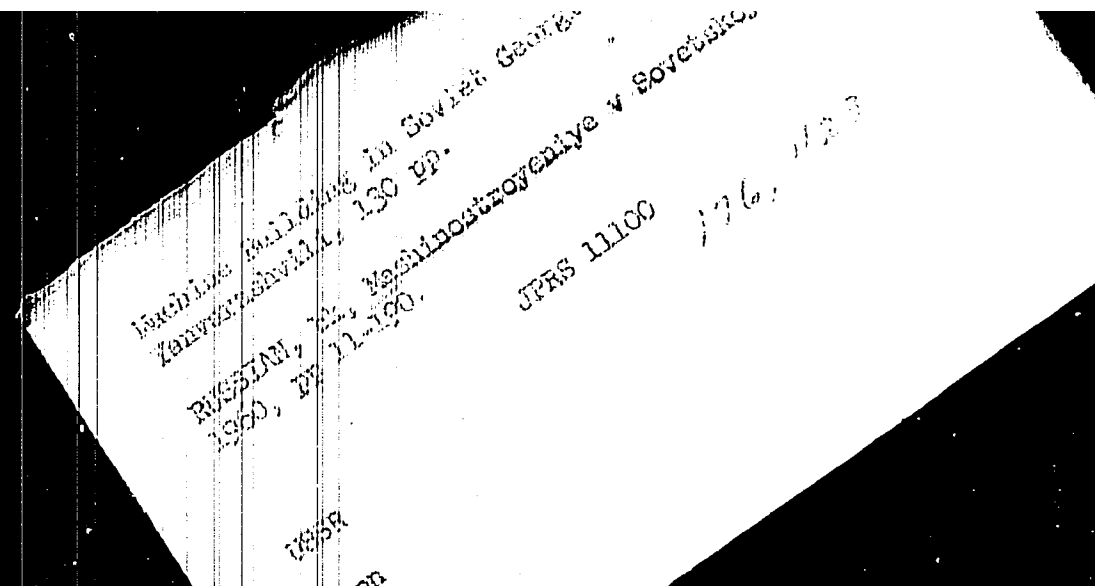
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Econ - Technological, agricultural machinery
2 Nov 59



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Moscow, 1963, pp103-1-4, 114-124,

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OCE No 3 (Jun 54)

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The Wear of the Working Elements of Soil
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(FDD 26406)

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S. Pivovarov.

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CIA/FDD Sum 739

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Econ - Technological, machine building

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4 pp.

RUSSIAN, per, Mash Trak Stanitsa, No 3, 1956, p 29,
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AF 1083492

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Apr 1957 CTS/dax

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USSR
Economic; Technological; Agricultural Machine Building

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Program, pp 5 pp. UBCL

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AF 1255506

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Mar 59

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Price list of uniform wholesale prices of tractors
and agricultural machines being sold to kolkhozes,
RTS, sovkhozes, and other agricultural enterprises
and organizations

RUSSIAN, MO PER, Mashinno-Traktornaya Stantsiya
No 8, Moscow, Aug 58, pp 59-60

USSR; Economic; Technological - Farm machinery

60R DEK *[Signature]* 756

Grushko, G. S.
 THE BENDING OF A THIN ISOTROPIC PLATE
 WEAKENED BY A SEMICIRCULAR CUT-OUT (Zgin
 Tonkoy Izotropnoy Pliti, Oslablenoy Otvorom u Formi
 Pivkola). Mar 60 [7]p. 4 refs. TIL/T. 4879; [DSIR
 LLU] M1872.
 Order from OTS or SLA \$1.10

61-13195

Trans. of [Mashinostroyeniye Za Rubezhom] (USSR)
 1955, no. 1, p. 177-181.

DESCRIPTORS: Metal plates, Elasticity, Stresses,
 Deformation, Mathematical analysis.

By applying the method of M. I. Muskhelishvili, and
 putting the function $Z = \omega(\zeta) =$

Re $\frac{\sqrt{3}}{9} (2 - \frac{4}{\zeta} + \frac{5}{4}\zeta + \frac{5}{8}\zeta^2 + \frac{13}{64}\zeta^3)$ as conform-
 (Mechanics, TIL, v. 7, no. 7) (over)

61-13195

- I. Grushko, G. S.
- II. TIL/T-4879
- III. DSIR LLU M1872
- IV. Ministry of Aviation (Gt. Brit.)

Office of Technical Services

Muzichenko, Yu. M.
THE STABILITY OF ELASTIC WEIGHTY PLATES
(Stikist' Pruzhnikh Vagomikh Plastinok). Jan 60 [13]p.
T.I.L./T. 4855; [DSIR LLU] M1540; AD-233 323.
Order from OTS or SLA \$1.60

61-13584
Trans. of [Mashinostroyeniya Za Rubezhom] (USSR)
1955, no. 1; p. 344-358.

DESCRIPTORS: *Metal plates, Buckling, *Elasticity,
Load distribution, Mathematical analysis, Stability,
USSR.

(Engineering--Civil, TT, v. 7, no. 3)

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- I. Muzichenko, Yu. M.
- II. TIL/T-4855
- III. DSIR LLU M. 1540
- IV. Ministry of Aviation
(Gt. Brit.)
- V. AD-233 323

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~~2~~ JPRS/SPECIAL/SF-3198

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Camouflaged in War, by M. Tolochkov, 5 pp.

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14, 46-47.

ACSI H-6514
ID 2144863

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The Camouflaging of Soldiers, Weapons and Fighting
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ACS, I, Eurasian Branch
TK-697

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Military
Aug 1956

Camouflage Against Radioelectronic Surveillance,
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RUSSIAN, bk, Mashirovka of Radioelektronogo Nabludeniya,
Moscow, 1963, pp 1-49. 9696964
FSTC 81-T64-185

Sci - Elec
Jun 65

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RUSSIAN, bk, Maskirovka na Voyne, 1958,
pp 1-52.
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V. V. Panov, Yu. S. Sobolev, 82 pp.

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Silicon Organic Liquids; Lubricating Oil OKB-122 and Grease VI MKHP 2238-50 Used for Instruments, by V. S. Ivanov, S. M. Fridman, 4 pp. UNCL

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Sci - Chem; Fuels
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(FDD 18995)

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CIA/FDD/U-5117

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Preparation of Gossypol Hexapalmitate, by
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*PL-480

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XIV, No 3, 1938, pp 5-8.

Sci Tr Center
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Sci - Biology

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Econ - Agriculture

Aug 1956

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The Formation of Peroxides During the Oxidation of
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RUSSIAN, no per, Masloboyno-Zhirovye Delo, Vol XIV,
No 6, 1953, pp 29-30.

Assoc Tech Sv
RJ-360

Sci - Chemistry

Aug 1956

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Production of Decyl Aldehyde $C_{10}H_{20}O$, by
O. Osipova, 2 p.

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SLA 59-20632

Sci
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Tobacco-Seed Oil, by ~~Act~~ A. Lesius,

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No 1, 1940, pp 12-13.

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Scientific - Biology

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I. Parkhomenko, V.

Parkhomenko, V.
NAPHTHENIC ACIDS AND THEIR SOAPS. [1961] 4p.
Order from OTS or SLA \$1.10 61-18005

Condensed trans. of Maslobolno-Zhirovaya Promyshlennost' (USSR) 1940 [v. 16] no. 5/6, p. 30-32.

DESCRIPTORS: *Naphthenic acids, Separation, Detergents, Soaps, *Disinfectants, Materials, Preparation, Specifications.

A general review of isolation of naphthenic acids and their utilization for preparation of detergents and disinfectants is given and the specifications for these products in force in U. S. S. R. tabulated. (Author)

(Chemistry--Organic, TT, v. 7, no. 10)

Office of Technical Services

Varlamov, V., Bodyazhina, Z., and Tikhomirova, N.
PREPARATION OF NAPHTHENATE SICCATIVES.
[1961] 6p. 4 refs.

Order from OTS or SLA \$1.10

61-16891

Trans. of Maslobolno-Zhirovaya Promyshlennost'
(USSR) 1940 [v. 16] no. 5/6, p. 42-45.

DESCRIPTORS: *Naphthenic acids, Acids, *Desiccants, Manganese, Calcium, Zinc, Iron, Lead, Preparation, Tests, Corrosion.

Distillation of acidol [crude naphthenic acids, in mixture with naphthenates] under a residual pressure of 30-45 mm. mercury was found in pilot plant experiments to give up to 88.8% light-colored naphthenic acids. A high activity of the combined manganese-calcium-iron siccative was established, exceeding that of the standard manganese-calcium siccative. (Engineering-Chemical, TT, v. 7, no. 10) (over)

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I. Varlamov, V.
II. Bodyazhina, Z.
III. Tikhomirova, N.

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Researches on the Hydrogenation of Fats, by
B. N. Tyutyunnikov, B. Freyer,

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2 INEDOC T.508

Scientific - Chemistry
CTB 70/Jul 55

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Experience With Bogod's Method of Making of Toilet
Soap Bases, by S. P. Ostrin.

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No 8, 1955, pp 13, 14.

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Sci - Chemistry

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Deodorization of Fats and Oils, by A. G.
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Vol XVIII, No 8, 1955, pp 29, 30.

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USSR - Economic
Scientific - Chemistry CTS 64/Jan 55
Indian Natl Sci Doc Center, Nat Phys Lab
Hillsidero, New Delhi, 12

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(TID 20937)

Vacuum-

The Use of Continuous Operation ~~VAKUUM~~ Filters in the
Making of Catalysts, by P. A. Artamonov, N. S.
Slashev, L. D. Sheynin, 13 pp.

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Moscow, Sep 1953- pp 5-8.

CIA/TID/U-6017

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(FDD 20938)

Continuous Operation Apparatus for Processing of
Coriander Seeds for Essential Oil, by N. P.
Sokol'nikov, 10 pp.

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Moscow, Sep 1953, pp 18-20.

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Economic - Techniques

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(FDD 21022)

Continuous Processes in Soap Making, by P. V. Naumenko,
15 pp.

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Moscow, Oct 1953, pp 20-21.

CIA/FDD/U-5951

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On the Refining of Rapeseed Oil, by A. M. Zharskiy,
T. E. Romanova,.

RUS81 AN, no per, Masloboino-Shirovaya Prom, No 2,
1954, pp 359 36.

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Hillside Road, New Delhi 12, India

Scientific - Chemistry

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Theory, Calculation and Sizing of Apparatus
for the Deodorization of Fats, by E.N. Gelperin,
N. I. Gelperin.
RUSSIAN, per, Maslob -Zhirov Prom, Vol 19, No 4,
1953, pp 12-15
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Sci -
Jul 67

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Flavoring of Margarine With Melted Butter, by
A. G. Styrashkina

RUSSIAN, per, Masloboyno-Zhirovaya Prom, Vol XIX,
No 6, 1954, p 30.

Assoc Tech Sv RJ-505
\$3.00

Sci - Chemistry
Jan 57 CTS

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Preparation of Easily Refinable Cotton-
Seeds Oil for Extraction, by I. V.
Gavrilenko, et al.

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Pracn, Vol XII, No 8, 1955, pp 5-9.

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Continuous Refining of Rape-Seed Oil, by
A. M. Zharukiy.

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Quantitative Determination of the Glyceride Com-
position of Fats, by M. K. Yakubov:

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Wool Grease, by R. I. Garlinakaya. UNCL.

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No 3, 1956, pp 26-29.

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Jul 59

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Preparation of Powdered Fats (Margarine and
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Vol XXI, No 5, 1956, pp 21-24.
Dept of Commerce
Patent Office

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Feb 66

Calculation of the Consumption of Injected Steam
During the Distillation of Glycerine, by E. E.
Painberg.

Mashobovsk-Zhironaya
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ATB 78022R
RJ-1527

Sci
May 59

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Industrial Method for the Manufacture of
Santol, by L. A. Kheyfits, Ye. A. Siranov-
skaya, et al, 5 pp.

RUSSIAN, per, Masloboyno-Zhirovaya Prom,
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Vol. IV, No 7
Apr 62

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Production of Higher Aliphatic Alcohols by
Direct Oxidation of Paraffins, by A. N.
Bashkirov.

RUSSIAN, *zh. Khimicheskoi Tekhnologii*,
No 7, 1957, pp 25-26.

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Sci. - Chem.
Dec 61.

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Preparation of Synthetic Aliphatic Alcohols,
by V. S. Varnalev, et al.

RUSSIAN, per, Masloboina-Zhirova
Prom', Vol XXIII, 1957, pp 27-30.

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Sci - Chem
Jul 62

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Solubility of Hydrogen in Fats, by B. N. Tyutyunnikov,
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RUSSIAN, per, Masloboyno Zhirovaya Prom, No 8, 1957,
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Sci - Chem
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Protection of Fats and Oils From Oxidation, by Z. K.
Lebedeva, et al. UNCLASSIFIED

RUSSIAN, per, Masloboyno-Zhirovaya Prom, Vol XXIII,
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Sci - Chem

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Nov 58

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Simultaneous Production of Higher Aliphatic
Alcohols and Acids During the Continuous
Oxidation of Liquid Normal Paraffins,
by T. Tsynekovskiy, E. M. Nedylova.

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Discussions on Some of the Chemistry of Oil and
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RUSSIAN, per, Masloboyno Zhirov Prom. Vol XXIV,
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Surface Active Properties and Detergency of Mixtures
of Soaps and Synthetic Detergent Agents, by
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Jul 59

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TT-65-14194

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Tyutyunnikov, B. N.; Mankovskaya, N. K.
ABOUT A NEW METHOD FOR THE PRODUCTION OF COM-
MERCIAL FRACTIONS OF SYNTHETIC FATTY ACIDS.
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v24 n3 p22-6 1958.

MR 676

Obtaining an Analogue of Cocoa Butter, by M. K.
Yakubov. UNCL

RUSSIAN, per, Masloboyno-Zhirovaya Prom, Vol XXIV,
No 4, 1958, pp 19-22.

DSIR LIU Rts 1077

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Sci - Chem
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Development of the Manufacture of Detergents
and Synthetic Fat Substitutes, by P. V.
Kausenko. UNCL

RUSSIAN, per, Masloboyno-Zhirnyaya Prom,
Vol. XXIV, No 7, 1958, pp 1-9.

DSIR LLU RTS 1150

SLA 60-15656

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Main Lines for Scientific Research in the Oil and
Petro Industry in 1959-1965, by A. G. Burgoyev.
UTCL

RUSSIAN, per, ~~Moskovskaya Zhurnalya~~ Prom, No 7,
1958, pp 26-30.

DSIR LIU RTB 1037

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Sci - Chem
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The Determination of the Fatty Acid Composition
of Vegetable Oils From the Iodine and Thiocyanate
Numbers, by V. P. Rukhkin. UNCL

RUSSIAN, per, Masloboyno-Khimiya Prom, Vol XXIV,
No 8, pp 10-12.

DSIR LIU RES 1044

Sci - Chem
Jul 59

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Petrov, A. D., Nikishina, G. I. and others.
 THE DEPENDENCE OF THE SURFACE-ACTIVE
 PROPERTIES AND WASHING CAPACITY OF SOLU-
 TIONS OF ALKYL BENZENE SULFONATES ON
 THE LENGTH AND STRUCTURE OF THEIR ALKYL
 CHAIN (Zavisimost' Poverkhnostno-Aktivnykh Svoystv
 i Moyushchey Sposobnosti Rastvorov Alkilbenzol-
 sulfonатов ot Velichiny i Struktury ikh Alkil'noy
 Tsipi). May 59 [8] p. 5 refs. C.T.S. no. 633.
 Order from LC or SLA ml\$1.80, ph\$1.80 61-15371

Trans. of Maslophome-Zhivotaya Promyshlennost'
 (USSR) 1958, v. 24, no. 8, p. 23-29.

Tests showed that the washing capacity of solutions of
 alkyl benzene sulphonates depends on the length of the
 chain and its branches: the longer and the less
 branched, the greater the washing capacity. Com-
 pounds having a straight or only slightly branched
 chain containing 12 carbon atoms are effective at
 higher temperatures than compounds having a
 (Materials, TT v. 5, no. 8) (over)

1. Sulfonates--Surface properties
2. Detergents--Surface properties
3. Sulfonates--Molecular structure
1. Petrov, A. D.
- II. Nikishina, G. I.
- III. CTS-633
- IV. Department of Scientific and Industrial Research (Gr. Brit.)

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Apparatus for Determining the Consistency of
Margarine and Pure Butter, by A. D. Rezak, et al.
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Order from ATS \$9.75

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Trans. of Maslob[oino]-Zhir[ovaya] Prom[yshlennost']
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DESCRIPTORS: *Fatty acids, Synthesis, Saponification,
Sedimentation.

(Chemistry--Organic, IT, v. 10, no. 1)

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Experiments indicated that in the process of hydrogenation of fats there is virtually no reesterification. The nickel and copper-nickel hydrogenation catalysts have no effect on the reesterification process. The slight reesterification is explained by a high hydrogenation temperature.

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Trans. in French of Masloboino-Zhirovaya Promysh-
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DESCRIPTORS: Ointments, *Vegetable oils, *Ethers,
*Solvent extraction,

(Chemistry--Physical, TT, v. 11, no. 7)

TT-62-28024

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Demchenko, P. A.

DETERMINING THE EFFICIENCY OF WASHING
SUBSTANCES BY COLLOIDAL-CHEMICAL METH-
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Order from LC or SLA m\$1.80, ph\$1.80 61-15391

Trans. of Mashinoyazhivaya Promyshlennost'
(USSR) 1959, v. 25, no. 7, p. 36-39.

Typical soaps and synthetic detergents have the
ability to form micellar solutions at concentrations
within the limits 0.3 to 6 g/l and are capable of dis-
solving colloiddally a considerable quantity of hydro-
carbons and polar substances. The efficiency of
soaps and detergents can be quantitatively character-
ized by an unbiased measurement of their colloidal
solubility and critical concentration of micelle-
formation (CCM). Optimum cleansing action is achieved
by aqueous solutions of detergents at concentrations
(Chemistry--Physical, TT, v. 5, no. 7) (over)

61-15391

- I. Detergents--Test methods
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- II. RTS-1645
- III. Department of Scientific
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ATS-22 P631

Dependence of the Quality of Washed Linen on the
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RUSSIAN, ger, Masloboino-Zhirovaya Prom, Mol XXV,
No 9, 1959, pp 29-30.

DSIR LLU RTS 1646

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A MAGNETIC METHOD OF WATER TREATMENT
(Magnitnyy Sposob Vodoobrabotki). Feb 61 [4]p.
1 ref. RTS 1647.
Order from LC or SLA m\$1.80, ph\$1.80 61-15920

Trans. of Masloboyno-Zhirovaya Promyshlennost'
(USSR) 1959, v. 25, no. 9, p. 41-43. 908/33

A magnetic device for production of reagentless water for boilers and steam turbines used in the fats industry is described. The carbonate and permanent hardness salts dissolved in the water for one or two days lose their ability to form deposits after the water has been passed through a magnetic field. Instead of scale, an amorphous sludge is formed in the heat exchange equipment; this sludge is easily removed by blowdown devices.

(Engineering--Chemical, TT, v. 5, no. 10)

61-15920

1. Water softeners--Development
 2. Magnetic fields--Applications
 3. Fats--Processing
 4. Feed water--Purification
 5. Heat exchangers--Scale
- I. Godun, A. S.
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Method for the Manufacture of Muterons,
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ATE-07044R

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Manufacture of Margarine Equivalent to Butter in
Structure and Taste, by N. I. Kozin.

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No 9, 1960, pp 16-19.

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AUTOMATIC MACHINE FOR CUTTING AND STAMPING
HOUSEHOLD SOAP, BY YU. P. KLYUSHNIKOV, ORLENKO.

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NLL RTS 2139

SCI - ENGR

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